

CLAIMS

I claim:

1. A captive screw including:
a ferrule,
a screw having a head, a shank adapted to pass through the ferrule, a threaded portion at the end of the shank opposite the head, and a collar formed on the shank proximate the threaded portion; and

a spring,

the screw being captivated on the ferrule between the head and the collar, the spring extending on the shank of the screw between the head and the ferrule.

2. A captive screw according to claim 1 wherein the ferrule has a generally cylindrical exterior surface having a plurality of knurls for securing the captive screw in a preformed aperture in a first structure.

3. A captive screw according to claim 1 wherein the ferrule is formed with an annular collapsible ring section formed on the bottom having a generally circular opening large enough to permit the threads collar the screw to pass through but not large enough to permit the spring to pass through, the annular ring section being bent upwardly to captivate the screw on the ferrule during assembly of the captive screw.

4. A captive screw according to claim 2 wherein the ferrule has an annular lip formed on the exterior cylindrical surface proximate the top of the ferrule for limiting the penetration of the ferrule in the preformed aperture in the first structure.

5. A captive screw according to claim 4 wherein the ferrule has an annular circumferential groove formed in the exterior cylindrical surface of the ferrule immediately adjacent and below the annular lip for receiving the plastic flow of material when the ferrule is pressed into the preformed aperture.